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No. 35] NEW DELHI, SATURDAY, AUGUST 27, 1983 (BHADRA 5, 1905)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है, जिससे कि वह इसका संकारण में रैप में भी जा सके।

(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2
[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
(Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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PATENTS AND DESIGNS
Calcutta, the 27th August 1983

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APPLICATION FOR PATENTS FILED AT THE HEAD
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-700017.

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

21st July, 1983

908/Cal/83. Ajit Krishna Sinha. Automatic vast sea or river ship.

909/Cal/83. F. L. Smidth & Co. A/S. Method and apparatus for calcining pulverulent raw material.

910/Cal/83. Hoechst Aktiengesellschaft. Process for the production of a polyvinylbutyral article.

22nd July, 1983

911/Cal/83. MEIJI SEIKA KAISHA, LTD. and Merck & Co. Inc. New 1-oxa-1-dethlcephalosporin derivatives, the production of the same, and new intermediate compounds therefor.

912/Cal/83. Siemens Aktiengesellschaft. A loop current feed arrangement for a characteristic converter.

913/Cal/83. The Air Preheater Company Inc. Thermal oxidizer and method for operating same.

914/Cal/83. Metallgesellschaft A.G. Continuous process of melting sponge iron.

915/Cal/83. Ethicon Inc. Composite sutures of silk and hydrophobic thermoplastic elastomers.

916/Cal/83. Arc Technologies Systems Ltd. Electrode assembly for arc furnaces.

917/Cal/83. E.I. Du Pont De Nemours and Company. Antistatic composition and polyester fiber containing same.

918/Cal/83. Owens-Corning Fiberglas Corporation. Melting Furnaces.

919/Cal/83. The Dow Chemical Company. Method for controlling cellulose etherification reaction.

920/Cal/83. Atlantis Energie AG. Apparatus for automatically directing solar radiation focussed by a reflector.

921/Cal/83. Metallgesellschaft A.G. Vertically extending plate electrode for gas-forming electrolyzers.

922/Cal/83. Voast Alpine Aktiengesellschaft. Bit holder as well as process for producing same.

23rd July, 1983

923/Cal/83. G. D. Searle & Co. Process for sanitizing psyllium hydrophilic muciloid by extrusion.

924/Cal/83. Rolf Peddinghaus. Parallel vice with a device for the reduction of end pressures depending on clamping tensional force.

25th July, 1983

925/Cal/83. Minnesota Mining and Manufacturing Company. Herbicidal compositions and methods.

926/Cal/83. Mitsui Toatsu Chemicals, Incorporated. Countercurrent washing tower and countercurrent washing method using same.

26th July, 1983

927/Cal/83. Siemens Aktiengesellschaft. A control arrangement and method for regulating the electrical power output from an electricity generating system.

928/Cal/83. Corning Glass Works. Method of making glass optical fiber.

27th July, 1983

929/Cal/83. Westinghouse Electric Corporation. Stabilization of perchloroethylene dielectric fluid.

930/Cal/83. Westinghouse Electric Corporation. Perchloroethylene stabilized with aromatic phenols.

931/Cal/83. Engineering Patents & Equipment Limited. Aircraft ejection system.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES III RD FLOOR SUNMILL COMPOUND LOWER PARLB (WEST) BOMBAY-13.

Bombay-13, the 1st July 1983

209/BOM/83. Outokumpu Oy. Procedure for roasting seleniferous material.

210/BOM/83. Robert Douglas Perkins. A Tricycle.

211/BOM/83. Kurt Kronenberg. Closing Device for flexible containers.

2nd July, 1983

212/BOM/83. Dr. Waman Dattatraya Patwardhan. Improvements in or relating to Safety Fuse.

213/BOM/83. Dr. Waman Dattatraya Patwardhan. Improvements in or relating to Detonating Fuse.

4th July, 1983

214/BOM/83. Chandrakant A. Parab. Magnetically operated Electric Switches.

215/BOM/83. Mazda Manufacturing Company. Portable dental Chair/Examination Table/Operation Table.

5th July, 1983

216/BOM/83. Autofield Engineers Private Limited. A device for separation of water and other contaminants from fuel.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH 61: WALLAJAH ROAD. MADRAS-600 002.

18th July, 1983

158/Mas/83. L. R. Rao. Multifilament incandescent electric lamps.

159/Mas/83. B. R. R. Kishna. Invention relating to the use of natural resources of energy namely aeolian, pneumatic, hydraulics, tidal wave, magneto-hydrodynamic, energies and strained tension kinetic and solar emissions, for the production or generation and/or conversion or transformation of same into various forms of energy including work and/or heat and/or light, objectively of any one and incidentally of other two forms.

22nd July, 1983

160/Mas/83. K. Mathivanan. The methods to avoid road accidents.

161/Mas/83. Bharat Electronics Limited. A true analogue multi-column bar-graph liquid crystal display with zig-zag bias resistor.

162/Mas/83. Sathesh Paul. The tender arecanut cutter.

ALTERATION OF DATE

151879. (1310/Cal/81). Ante-dated to 4th November 1978.

151880. (1311/Cal/81). Ante-dated to 4th November 1978

COMPLETE SPECIFICATION ACCEPTED

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of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 116G. 151874.
Int. Cl. B66b 17/12.

COMPENSATION WEIGHT FOR A ONE-SIDE HAULING PLANT.

Applicants : VOEST-ALPINE AKTIENGESELLSCHAFT, OF A-1011 VIENNA, FRIEDRICHSTRASSE 4, AUSTRIA.

Inventors : ALFONS SMOLNIKER AND HERFRIED SCHESCHERKO.

Application No. 1209/Cal/79 filed November 19, 1979.

Appropriate office for opposition proceeding: (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A compensation weight for a one-side hauling plant, characterized in that each hoisting cable (1, 2; 13, 14, 15, 16) is connected to a separate portion of the compensation weight (4, 5; 19, 20, 21, 22), that the whole of the compensation weight is contained in a common frame (3; 18), and that the weight portions are movable with relation to one another in a limited degree defined by the said frame.

Comp. Specn. 7 pages. Drgs. 2 sheets.

CLASS : 70A, C2. 151875.
Int. Cl. C22b 21/02; C23b 5/00.

A PROCESS FOR PRODUCTION OF ALUMINIUM BY IGNEOUS ELECTROLYSIS OF A SOLUTION OF ALUMINA IN CRYOLITE IN TANKS AND AN APPARATUS FOR THE SAME.

Applicants : ALUMINIUM PECHINEY, 28, RUE DE BONNELE 69003 LYON, FRANCE.

Inventors : PAUL MOREL AND JEAN-PIERRE DUGOIS.

Application No. 159/Cal/80 filed February 11, 1980.

Appropriate office for opposition proceeding: (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A process for production of aluminium by igneous electrolysis of a solution of alumina in cryolite, in tanks which are electrically connected in series which are transversely disposed by causing the vertical magnetic field to be of substantially the same absolute value in the four angles of the tank, with signs which are alternatively positive and negative when following the perimeter of the tank, wherein the distribution of the current in the conductors for supplying the anode of a downstream tank from the cathode of the adjacent upstream tank is modified in such a way as to superimpose on the tank two electrical loops producing a supplementary vertical magnetic field substantially equal to the mean vertical magnetic field of the tank on its short side, and of opposite direction, characterised in that the electrical loops are disposed below each of the short sides of the tank.

Comp. Specn. 13 pages. Drgs. 2 sheets.

CLASS : 50D. 151876.
Int. Cl. F24f 11/00.

AN IMPROVED EVAPORATIVE AIR COOLER.

Applicant : F. F. SEELEY NOMINEES PTY. LTD., 3 ROTHESAY AVENUE, ST. MARYS, STATE OF SOUTH AUSTRALIA, COMMONWEALTH OF AUSTRALIA.

Inventor : FREDERIC FRANK SEELEY.

Application No. 336/Cal/80 filed March 22, 1980.

Convention date March 26, 1979/(PD 8219/79) Australia.

12 Claims.

An improved evaporative air cooler having a cooler body including a top panel and side panels, a cooler pad assembly

adjacent at least one of the side panels, a blower which, in use, draws air through said cooler pad assembly, a pump which in use delivers water to said cooler pad assembly, and a motor to operate said blower and said pump, wherein the improvement comprising :

water distribution means comprising a tray-like water distributing member supported with respect to said cooler body and having walls defining a plurality of outwardly extending water flow channels, and a wall defining a water receiving area, said water flow channels radiating outwardly from said water receiving area and being in water flow communication therewith so that water, when the cooler is in use, flows from said area into the channels and outwardly therealong,

a water inlet to said water receiving area, said water inlet being connected to a water delivery line leading from the outlet side of said pump,

the relative locations of said tray-like water distributing member and said cooler pad assembly being such that water issuing from the water flow channels runs downwardly through said cooler pad assembly.

Comp. Specn. 33 Pages. Drgs. 5 sheets.

CLASS—29D. 151877.
Int. Cl. G06f 15/30.

A DRIVE SYSTEM FOR PROCESSING PASSBOOK DATA.

Applicants : BURROUGHS CORPORATION, OF BURROUGHS PLACE, DETROIT, MICHIGAN 48232, UNITED STATES OF AMERICA.

Inventors : JURGEN ANDREW JUZIUK, RONALD HAROLD MACK, EUGENE FRANK BANKA, AND EDWARD ALBERT NICOL.

Application No. 413/Cal/80 filed April 10, 1980.

Appropriate office for opposition proceeding: (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A drive system for processing passbook data comprising : an incremental drive for actuating the system; means for controlling the incremental drive; a first rotatable cam set; means for sensing data on a document; first means for following the configuration of the first rotatable cam set to position the sensing means; a second rotatable cam set; means for positioning the documents; second means for following the configuration of the second rotatable cam set to actuate the document positioning means; a third rotatable cam set; means for backing the document during data transfer to the document; and third means for following the configuration of the third rotatable cam set to properly place the means for backing the document during data transfer to the document.

Comp. Specn. 9 pages. Drgs. 4 sheets.

CLASS—6B4. 151878.
Int. Cl. B01d 47/00.

AIR CLEANING APPARATUS.

Applicants : VSESOJUZNY NAUCHNO-ISSLEDOVATELSKY I PROEKTNO-KONSTRUKTORSKY INSTITUT PO OBORUDOVANIU DLYA KONDITSIROVANIA VOZDUKHA I VENTILYATSI, OF KHARKOV, PROSEKTI, 257, MOSCOVSKY, U.S.S.R.

Inventors : (1) OLEG NIKOLAEVICH AVERKOV, (2) VLADIMIR IVANOVICH MALOV, (3) NIKITA STEPANOVICH KHARECHKO, (4) GENNADY SERGEEVICH

KULIKOV, (5) JURY PAVLOVICH KHLEBNIKOV, (6) ALEXANDR SERGEEVICH ARUTJUNIANTS, (7) NIKOLAI IVANOVICH ZAGRIVY, AND (8) CLEG PETROVICH SHMIGUL.

Application No. 564/Cal/80 filed May 12, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An air cleaning apparatus which comprises a bath filled with an oiling agent and having a sludge sump with a drain pipe; an endless filtering belt mounted on driven shafts arranged one above another so as to rotate on a horizontal axis, the lower one of the shafts being disposed in said bath for the filtering belt to be wetted with the oiling agent; a driven screw to move sludge over the bath bottom and into the sludge sump, which screw is disposed horizontally in the bottom zone of the bath; and also an oiling agent recovery system including: a contaminated oiling agent reservoir; a purified oiling agent reservoir; an ejector having a nozzle with a suction pipe and a delivery pipe, the suction pipe of the ejector communicating with the drain pipe of the sludge sump of said bath, and the delivery pipe thereof, with the contaminated oiling agent reservoir; and a pump having a delivery line connected to the nozzle of said ejector, a suction line communicating with the purified oiling agent reservoir, with a piping connected to the latter line, said piping being extended into said bath below the oiling agent level, and perforated over its length disposed within said bath, and a by-pass line connecting the suction line of the pump with the delivery line thereof.

Comp. Specn. 24 pages. Drgs. 4 sheets.

CLASS—116G. 151879.
Int. Cl. B65g 15/00, 17/00.

PALLET TRANSFER MACHINE.

Applicants: THE CROSS COMPANY, 17801—14 Mile Road, Fraser, Michigan 48026, United States of America.

Inventor: RALPH EMERSON CROSS.

Application No. 1310/Cal/81 filed November 23, 1981.

Division of Application No. 1196/Cal/78 filed on 4th November, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

In a pallet transfer machine of the type having a plurality of work stations each provided with movable clamps engageable with a pallet in said station to hold the same, toggle actuators for moving said clamps into and out of engagement with said pallets, a transfer device for moving pallets progressively from station to station in the machine, a reciprocable common mechanical actuator for said transfer device and said clamps, means connecting said common mechanical actuator to said transfer device operative during an increment of motion thereof in one direction to complete the movement of pallets into said stations, and drive means for transferring motion from common mechanical actuator to said clamps including spring operated actuator means adjacent to said toggle actuators, said drive means being operative to bring said spring operated actuator means into operative engagement with said toggle actuators during said mentioned increment of motion of said common mechanical actuator and operative during a subsequent increment of motion of said common mechanical actuator in said mentioned direction to move said clamps into clamping engagement with said pallet through said spring operated actuator means.

Comp. Specn. 19 pages. Drgs. 4 sheets.

CLASS—116G. 151880.
Int. Cl. B65g 15/00, 17/00.

A MULTI-STATION WORK TRANSFER MACHINE.

Applicant: THE CROSS COMPANY, 17801, 14 MILE FRASER, MICHIGAN 48026, UNITED STATES OF AMERICA.

Inventor: RALPH EMERSON CROSS.

Application No. 1311/Cal/81 filed November 23, 1981.

Division of Application No. 1196/Cal/78 filed November 4, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A multi-station work transfer machine of the type having work carrying pallets and means for moving said pallets into and out of said stations, wherein, means for locating said pallets in said stations comprise a plurality of V-blocks secured to said transfer machine in each of said work stations and V-grooves in said pallets adapted to receive and to seat on said V-blocks, said plurality of V-blocks in each station extending radially with respect to the vertical center line of said station, said pallets being adapted to engage the V-blocks of said stations when the pallets are moved into said stations, and said V-blocks and said V-grooves forming the sole supporting means for said pallets in said stations, said V-blocks and said V-grooves being in such number and so disposed and arranged that each interengaged V-block and V-groove in each station acts in opposition to a plurality of other V-blocks and V-grooves in the same station to locate the pallet on and supported thereby precisely vertically and also horizontally in at least two directions.

Comp. Specn. 19 pages. Drgs. 4 sheets.

CLASS 72C+D, 10A+B. 151881.
Int. Class A631_5/00 +F42b 1/00, 33/00.

IMPROVEMENTS IN OR RELATING TO DETONATORS.

Applicant & Inventor: SHRIKANT WAMAN PATWARDHAN, of 2025, SADASHIV PETH, TILAK ROAD, PUNE-411 030, MAHARASHTRA STATE, INDIAN, INDIAN NATIONAL.

Application No. 45/BOM/80 filed on Feb. 29, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

4 Claims.

A detonator in the form of a tube, having sequentially from the closed end, a major portion as herein described of the base charge of the secondary explosive pressed at a pressure varying from 280 to 400 Kg/sq. cm., the remaining portion of the base charge (100 to 150 mgms) tamped down over the said pressed charge, a thin paper disc, a primary initiating explosive charge followed by another thin paper disc.

Complete Specification 9 pages; Drawing 1 sheet.

CLASS—32E+152E. 151882.
Int. Cl C08g 17/00.

A PROCESS FOR THE PREPARATION OF MONOGLYCERIDE MODIFIED RESIN AND POLYROSIN.

Applicant: CAMPHOR AND ALLIED PRODUCTS LIMITED AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT JEHANGIR BUILDING 133 MAHATMA GANDHI ROAD BOMBAY 400 023 STATE OF MAHARASHTRA, INDIA.

Inventors: DR. ESWARAN RAGHAVAN, DR. AJAI PRAKASH, DR. SUKH DEV.

Application No. 257/BOM/80 filed on 4th Sept 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1982), Patent Office Bombay Branch.

5 Claims.

1. A process for the preparation of monoglyceride modified resin or polyrosin which comprises preparing a monoglyceride containing free hydroxyl groups by the alcoholysis of glyceride oil with a polyol containing 3 to 6 hydroxyl groups in presence of a catalyst such as calcium acetate or zinc acetate and reacting this monoglyceride with resin or polyrosin such as herein described.

Comp. specn. 6 pages drawings nil.

Ind cl 32E + 152E.

151883.

Int class C08g 17/00.

A PROCESS FOR THE PREPARATION OF PHENOLIC MODIFIED SORBITOL ESTERS OF ROSIN AND POLY-ROSIN.

Applicant: CAMPHEM AND ALLIED PRODUCTS LIMITED AN INDIAN COMPANY HAVING ITS REGISTERED OFFICE AT JEHANGIR BUILDING 133 MAHATMA GANDHI ROAD, BOMBAY 400 023, STATE OF MAHARASHTRA, INDIA.

Inventors: TRIBHUVAN SHAMJI KILRA, DR. AJAI PRAKASH, DR. SUKH DEV.

Application No. 259/Bom/80 filed 4th Sept., 80.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

2 Claims

1. A process for the preparation of phenolic modified sorbitol ester of rosin or polyrosin which comprises condensing phenol and formaldehyde at a temperature between 40°C and 120°C to give phenol formaldehyde condensate and reacting the said phenol formaldehyde condensate with rosin or polyrosin and sorbitol at a temperature between 150°C and 310°C.

Comp Specn 5 pages drag nl.

CLASS—166B.

151884.

Int. Cl. B63b 21/52.

A DEVICE FOR USE IN TRANSFERRING A FLUID FROM A STATION ON SEA BED TO A VESSEL, AND VICE-VERSA.

Applicant & Inventor: ODD HAVRE, OF STASJONS-VEIEN, 51/53, OSLO 3, NORWAY.

Application No. 38/Cal/79 filed January 15, 1979

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A device for use in transferring a fluid from a station on a sea bed to a vessel, and vice-versa, comprising a buoy, said buoy including means operable to vary the water depth of said buoy, a flow coupling means on said buoy movable therewith and fixed horizontally thereto, means for connecting said coupling means in fluid connection with said station, said coupling means being movable of said buoy to a water depth suitable for establishing fluid flow connection with said vessel.

Comp Specn. 17 pages. Drgs. 3 sheets.

CLASS—5D.

151885.

Int. Cl. E02f 3/42.

APPARATUS FOR COORDINATING THE SPEEDS OF MOTIONS.

Applicant: DRESSER INDUSTRIES, INC 1505 ELM STREET, CITY OF DALLAS, STATE OF TEXAS, U.S.A.

Inventor: ROBERT WILLIAM BERGMANN.

Application No. 123/Cal/79 filed February 9, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

Apparatus for maintaining a predetermined ratio between the speeds of at least two motion-producing means comprising: first and second sources of motive power for said two motions,

means for sensing the speeds of said two motions.

first means for producing a first signal having a value corresponding to the ratio of the predetermined speed of a first of said motions to the speed of a second of said motions,

second means for producing a second signal having a value corresponding to the speed of said first motion,

third means for producing a third signal having a value corresponding to the speed of said second motion,

divider means for producing a fourth signal having a value corresponding to the quotient of said second signal divided by said first signal,

multiplier means for producing a fifth signal having a value corresponding to the product of said first and third signals,

first and second reference source means for producing first and second reference signals providing reference values for the speeds of operation of said first and second sources of motive power,

comparator means for comparing said first reference signal with said fifth signal and said second reference signal with said fourth signal and for producing, respectively, first and second comparator output signals corresponding to the ones of the compared signals having minimum values,

means for regulating the speed of said first and second sources of motive power, respectively, in accordance with the values of said first and second comparator outputs signals.

Comp. Specn. 17 pages. Drgs. 3 sheets.

CLASS . 131C.

151886.

Int. Cl. B06b 1/00.

A TRANSDUCER FOR INDUCING WAVES IN AN ELASTIC MEDIUM.

Applicant: CONTINENTAL OIL COMPANY, P.O. BOX 1267, PONCA CITY, OKLAHOMA 74601, UNITED STATES OF AMERICA.

Inventor: DELBERT WAYNE FAIR.

Application No. 149/Cal/79 filed February 17, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A transducer for inducing waves in an elastic medium comprising: a mass member having a plurality of cylinder bores extending therethrough; a piston member having a piston and oppositely extending piston rods reciprocally disposed in each of said cylinder bores; means disposed within each of said piston members for introducing fluid under pressure from said high pressure side into each of said cylinder bores alternately on opposite sides of said pistons for reciprocating said piston members relative to said mass member; and a frame interconnecting the ends of the oppositely extending piston rods, said frame having a surface thereon for engaging a surface of the elastic medium.

Comp. Specn. 19 pages. Drgs. 3 Sheets.

CLASS—5B & D.

151887.

Int. Cl. E02b 13/00.

AN OSMOTIC RELATIVE HUMIDITY SENSOR-REGULATOR VALVE.

Applicant & Inventor: JERONARD ORNSTEIN, 5 BILTMORE ROAD, WHITE PLAINS, NEW YORK 10607, U.S.A.

Application No. 220/Cal/79 filed March 7, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An osmotic relative humidity sensor regulator valve comprising: a chambered body section; means for attaching the valve body section in a waterline; compressible means in the waterline for opening and closing the waterline; and osmotically-sensitive means contained in said chamber for opening and closing the compressible means in the waterline and capable of swelling no less than about 25 times its dry volume when in equilibrium with water at 100% relative humidity.

Comp. Specn. 24 pages. Drgs. 2 sheets.

CLASS—84A.

151888.

Int. Cl. C10I 3/00.

PROCESS FOR THE PRODUCTION OF A FUEL GAS.

Applicant : TEXACO DEVELOPMENT CORPORATION,
135 EAST, 42ND STREET, NEW YORK, NEW YORK
10017, U.S.A.

Inventor : WARREN GLEASON SCHLINGER.

Application No. 479/Cal/79 filed May 8, 1979.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office, Calcutta.

13 Claims.

A process for the production of a fuel gas having a heating value of 3937 to 9843 kJ/std. m³ (100 to 250 BTU/SCF) which comprises mixing finely divided solid fuel with a solvent therefor, heating the mixture to a temperature of between 371 and 510°C (700 and 950°F.) at a pressure between 35.5 and 346 bars absolute (500 and 5000 psig), solubilizing at least a portion of said solid fuel, separating from the resulting mixture material boiling below 482°C. (900°F.) in a separating zone, subjecting between 20 and 50% of the remainder, boiling above 482°C. (900°F.), to partial oxidation with substantially pure oxygen in a first partial oxidation zone to produce a first product gas composed principally of CO and H₂, subjecting the balance of said remainder boiling above 482°C. (900°F.) to partial oxidation with a gas comprising air in a second partial oxidation zone to produce a second product gas comprising carbon monoxide, hydrogen and nitrogen, transferring said second product gas to said separation zone to assist in the separation of said portion boiling below 482°C (900°F) and recovering from said portion boiling below 482°C. (900°F.) a third product gas having a heating value between 3937 and 9843 kJ/std. m³.

Comp. Specn. 14 pages. Drgs. 1 sheet.

CLASS—94F.

151889.

Int. Cl. B02c 25/00.

APPARATUS FOR CONTROLLING THE DELIVERY
OF AIR TO A COAL PULVERIZER.

Applicant : COMBUSTION ENGINEERING, INC. 1000
PROSPCT HILL ROAD, WINDSOR, CONNECTICUT,
UNITED STATES OF AMERICA.

Inventor : JOHN A. MAKUCH.

Application No. 554/Cal/79 filed May 29, 1979.

Appropriate office for opposition proceedings (Rule 4,
Patent Rules, 1972) Patent Office, Calcutta.

3 Claims.

Apparatus for controlling the delivery of air to a coal pulverizer, the pulverizer being supplied with flows of pressurized, preheated and unheated transport air and providing a mixture including dry pulverized coal entrained in air, said control apparatus comprising : means for generating a signal commensurate with a desired temperature of the coal-air mixture provided by the pulverizer; means for providing a signal commensurate with the actual temperature of the coal-air mixture provided by the pulverizer; means for generating a signal commensurate with a desired normal rate of flow of air to the pulverizer; means for providing a signal commensurate with the actual rate of flow of air to the pulverizer; means responsive to the signals commensurate with actual and desired mixture temperature for generating a temperature error signal; means responsive to said temperature error signal for adjusting the flow of preheated air as a direct function of temperature error; means responsive to the signals commensurate with actual and desired rate of flow for generating a flow error signal; means responsive to said flow error signal for adjusting the flow of unheated air as a function of flow error; characterised by means responsive to said temperature error for modifying said signal commensurate with said desired flow rate.

CLASS—27M.

151890.

Int. Cl. E 04 g 7/00.

SCAFFOLDING SYSTEM.

Applicants : TOWER SCAFFOLDING (BRISTOL)
LIMITED, of DAYS ROAD, BRISTOL BS2 0QS,
ENGLAND.

Inventor : ANTHONY EDWARD FOWLES.

Application No. 556/Cal/79 filed May 30, 1979.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A scaffolding system comprising a transom, a ledger and a standard clamped together at right angles to each other, wherein the transom has a vertical open-sided and open-ended channel at its end which engages the standard and which has slots in its lower edge for receiving diametrically opposed lugs on the standard, the transom also having a clamp inwardly of the channel for clamping a ledger against the standard through an aperture in the base of the channel, and wherein the ledger has a locating member thereon to prevent longitudinal movement relative to the channel and the clamp.

(Comp. Specn. 7 pages. Drgs. 1 sheet.)

CLASS—32E, F₉(.).

151891.

Int. Cl. C 07 c 39/18; C 08 f 7/00, 7/10.

PROCESS FOR PRODUCING ALKENYL PHENOL AND
OR ITS POLYMER.

Applicants : MITSUI TOATSU CHEMICALS, INC., OF
2-5, 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO,
JAPAN.

Inventors : NOBUKATU KATO, TSUTOMU TAKASE,
YOSHIO MORIMOTO, TERUO YUASA, AND MINORU
HATTORI.

Application No. 834/Cal/79 filed August 13, 1979.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for producing alkenyl phenol and/or its polymer by cleaving dihydroxydiphenyl alkane which comprise continuously feeding said dihydroxydiphenyl alkane into an inert organic reaction medium containing a basic catalyst, heating the reaction mixture at a temperature of 150° to 250°C and under a pressure of 10 to 100 mmHg, maintaining the concentration of said dihydroxydiphenyl alkane in said reaction medium at not more than 30% by weight, thereby cleaving said dihydroxydiphenyl alkane in said reaction medium; and continuously distilling off the cleavage product out of the reaction system and recovering it, said inert organic reaction medium being a high-boiling inert organic solvent which has a melting or softening point of not more than 150°C and a lower vapor pressure at the cleaving temperature of the dihydroxydiphenyl alkane than the vapor pressure of the alkenyl phenol.

(Comp. Specn. 22 Pages. Drgs. Nil.)

CLASS—26.

151892.

Int. Cl. A 46 b 3/00.

BRUSH FOR CLEANING MESHES OF ROTARY
SCREENS.

Applicants : UKRAINSKY NAUCHNO-ISSLEDOVATEL-
SKY INSTITUT MEKHANIZATSII ELEKTRIFIKATSII
SELSKOGO KHOZYAISTVA, OF KIEVSKAYA OBLAST,
VASILKOVSKY RAION, POSELOK GLEVAKHA-1, USSR.

Inventor : EVGENY SERGEEVICH GONCHAROV.

Application No. 998/Cal/79 filed September 24, 1979.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A brush for cleaning meshes of rotary screens, comprising a shaft on which are mounted circular cleaning members each comprising a body of revolution consisting of two portions of tuft of bristles—an outer portion and an inner portion—arranged concentrically relative to one another, of which said outer portion engages the surface of said screen and is of a greater stiffness than the stiffness of said inner portion which is adjacent to the said shaft whereby dynamic loads on said screen and cleaning members are considerably reduced.

Comp. Specn. 9 pages. Drgs. 2 sheets.

CLASS—156E.

151893.

Int. Cl. F 04 b 21/00.

A RECIPROCAL PISTON HYDRAULIC PUMP.

Applicant: FLETCHER SUTCLIFFE WILD LIMITED, OF UNIVERSAL WORKS, HORBURY, WAKEFIELD, WF5 1 WORKSHIRE, ENGLAND.

Inventor: MALCOLM CYRIL FOSTER.

Application No. 1241/Cal/79 filed November 27, 1979.

Convention date 28th November, 1978 (46371/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A reciprocable piston hydraulic pump provided with a piston periphery sealing means comprising, at the pressure side, a contactless seal of flexible material and adapted to surround the piston periphery, a ring separating the contactless seal from a moulded pressure seal, with a reservoir defined between the contactless seal and the pressure seal and spring means operable on the contactless seal to urge the latter towards the pressure seal.

Comp. Specn. 11 pages. Drgs 5 sheets.

CLASS—119F.

151894.

Int. Cl. D 03 d 13/00.

SI IDE FASTENER.

Applicant: OPTILON W. ERICH HEILMANN GMBH, RIEDSTRASSE 3, CH-6330 CHAM, FEDERAL REPUBLIC OF GERMANY.

Inventor: ALFONS FROHLICH & KARL GRIESSBAUM.

Application No. 451/Cal/80 filed April 18, 1980

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Slide fastener with woven support tapes and links of plastic monofilament produced during the weaving operation and woven into said support tapes which comprise warp threads and adjacently disposed double wefts of a continuous basic weft thread and, in a projection on the zip fastener a plane both rows of links are embodied as link members, disposed one above the other, as coupling heads and as rear connecting members, are coveringly gripped by warp threads and are then joined to their support tape, and the double weft threads are also disposed beneath the links in their own support tape warp pockets, at least some warp threads of which joined to a support tape warp pocket, are brought out from the support tape plane, extend over members of the links and in turn themselves form compound warp pockets, characterised in that between each of the double wefts (8) of the basic weft threads (3), situated beneath the links (10), there is disposed an additional double weft (8) of the basic weft threads (3), approximately in the middle between two adjacent links (10) and every two double wefts (8, 8a) of the basic weft threads (3) are situated together in a support tape warp pocket (13), and each link (10) is disposed in a compound warp pocket (14) in which each of the warp threads (4, 5, 6), which are offset along the longitudinal extent of the slide fastener, alternately extend over two links (10), that some stop warp threads (15, 16) are additionally provided and form a warp thread shed (17) for each link (10) and that finally the stop warp threads (15, 16) in the region of the links (10) are disposed between said links (10) and the double wefts (8).

associated with the basic weft threads (3) and extending beneath the links (10) and in the region between the links (10) they are disposed beneath the double webs (8a) of the basic weft threads (3).

Comp. Specn. 9 pages. Drgs. 2 sheets.

CLASS—32E.

151895.

Int. Cl. C 08 f 1/11, 3/30.

METHOD FOR THE PREPARATION OF VINYL CHLORIDE RESINS BY SUSPENSION POLYMERISATION.

Applicant: SHIN-ETSU CHEMICAL CO. LTD., 6-1, OTEMACHI-2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor: HAJIME KITAMURA, TOSHIHIDE SHIMIZU, ICHIRO KANEKO AND KEN ITOH.

Application No. 1167/Cal/80 filed October 14, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims.

In a method for the preparation of a polyvinyl chloride resin by the suspension polymerization of vinyl chloride monomer or a monomer mixture mainly composed of vinyl chloride monomer in an aqueous polymerization medium containing a suspending agent and a monomer-soluble polymerization initiator which is an organic peroxide having a solubility in water of at least 0.2% by weight at 20°C in a polymerization reactor, an improvement which comprises

(a) coating, prior to polymerization, the inner walls of the polymerization reactor with an aqueous coating solution containing, as dissolved therein, at least one kind selected from the class consisting of organic dyes having at least one sulfonic acid group or carboxylic acid group in a molecule in the form of an alkali metal salt or ammonium salt and alkali metal salts or ammonium salts of organic sulfonic acids and carboxylic acids having at least one pair of conjugated double bonds in a molecule followed by drying, and

(b) adding at least one kind of water-soluble thiocyanate into the polymerization mixture in the polymerization reactor.

Comp. Specn. 22 pages. Drgs. Nil.

CLASS—32A.

151896.

Int. Cl. C07c 91/46; C07d 55/46.

PROCESS FOR THE MANUFACTURE OF DIHALOGENOTRIAZINYLAMINONAPHTHOL COMPOUNDS.

Applicant: HOECHST AKTIENGESELLSCHAFT, D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

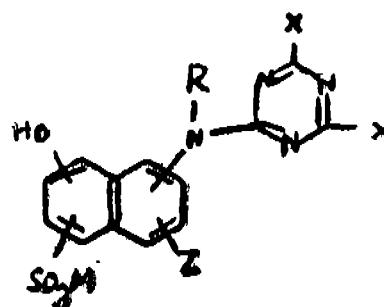
Inventor: RUSULA OTEN; ANNA GERTRUD RUDOLPH NEE OTEN & FRITZ MEININGER.

Application No. 273/Cal/81 filed March 12, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

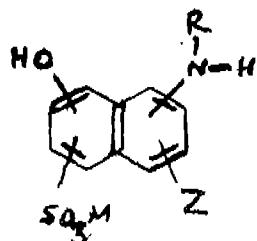
4 Claims.

In a process for the preparation of a dihalogenotriazinylamino-naphthol compound of formula (1)

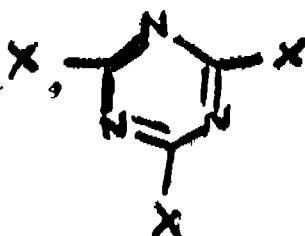


in which each X is fluorine, chlorine or bromine, R is hydrogen or alkyl of 1—4 C-atoms, M is hydrogen or the equivalent of

a metal and Z is hydrogen or a group of the formula SO_3M with M defined above, comprising reacting an aminonaphthol compound of formula (2)



in which R, M and Z are defined as above, with M in formula (2) preferably being hydrogen, with a cyanuric halide compound of the formula (3)



in which X is defined as above, in water as reaction medium a pH 5 or smaller than 5, the improvement consisting in introducing the aminonaphthol compound of formula (2) in solid, undissolved form into the reaction and carrying out the reaction in suspension.

CLASS—47B.

151897.

Int. Cl. C10j 3/00, 3/20.

PROCESS FOR GASIFYING CARBONACEOUS MATTER AND GASIFIER TO CARRY OUT SAID PROCESS.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : VALENTIN VLADIMIROVICH KOUUMP.

Application No. 327/Cal/81 filed March 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

9 Claims.

A process for gasifying carbonaceous matter to produce fuel gas containing negligible concentrations of undesirable polycyclic compounds in a gasifier having an oxidizing atmosphere in its lower portion and a lower temperature reducing atmosphere in its upper portion, and which comprises :

(1) selecting the fractional decomposition ratio R of the most stable polycyclic compound in the gas in said gasifier;

(2) selecting a temperature T for operating said gasifier and determining the rate constant K of said most stable polycyclic component at said temperature T;

(3) solving the equation $R = e^{-K\theta}$ for θ where θ is the residence time in seconds of said compound at elevated temperatures;

(4) determining the minimum partial pressure of hydrogen necessary to reduce the concentration of said most stable polycyclic compound by the ratio R;

(5) admitting said carbonaceous matter into the said gasifier at a point where the partial pressure of hydrogen exceeds said minimum partial pressure of hydrogen;

(6) gasifying said carbonaceous matter under the values of said parameters to produce fuel gas containing low concentrations of polycyclic compounds.

Comp. Specn. 14 pages. Drwg. 1 sheet.

CLASS—63 (A₂+F)

151898.

Int. Cl. H02k 27/00.

A MOTOR.

Applicant & Inventor : MANIKCHANDRA ROY, C/O SRI GAUDIYA MATH, 75, SRI GAUDIYA MATH ROAD, MADRAS-600 014, TAMIL NADU.

Application No. 48/Mas/81 filed March 13, 1981.

Complete specification left August 18, 1981.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972), Patent Office, Madras Branch.

3 Claims.

A motor comprising a stator within which is concentrically located a rotor mounted on a rotor shaft, said rotor having at least three equidistantly disposed coils provided on corresponding number of rotor teeth, said coils are connected to a commutator which is fed by two brushes with their plane in alignment with the magnetic neutral plane of the motor, the number of segments of said commutator being corresponding to the number of coils, and the inner profile of said stator being formed from a set of eccentric curves which ensure variation of airgap between the rotor teeth and the stator surface during rotation whereby the rotor tends to rotate in such a direction that the airgap between the rotor teeth and the stator surface continuously comes to a decrease.

(Prov.—5 pages; Com—7 pages; Drwg.—1 sheet)

CLASS—185E.

151899.

Int. Cl. A23n 9/00.

A PROCESS FOR THE DECAFFEINATION OF COFFEE.

Applicants : STUDIENGESELLSCHAFT KOHLE mbH, OF KAISER-WILHFIM, PLATZ 1, MULHEIM/RUHR, FEDERAL REPUBLIC OF GERMANY.

Inventor : DR. KURT ZOSEL.

Application No. 1169/Cal/77 filed July 30, 1977.

Appropriate office for opposition proceeding (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

6 Claims.

Process for the decaffeination of coffee by treating with water-moist carbon dioxide in supercritical state, characterized in that carbon dioxide is acting stationary at temperatures of 40 to 1000°C and pressures of 120 to 250 atmospheres on a mixture of coffee, water, and a surface active absorption agent for caffeine said adsorption agent selected from active charcoal, silica gel, bleach or activated aluminium oxide and separating coffee from active charcoal by sieving.

Comp. Specn. 10 pages. Drwg. Nil.

CI 455—109, 178.

151900.

Int. Cl. B44b 5/00.

BRUTING OR CONING OF GEM STONES PARTICULARLY DIAMONDS

Applicants : GERSORAN S.A., APARTADO 7412, PANAMA.

Inventors : FRANS FRANSEN, JAN BATEN, AND JAN BAPTISTE LENS.

Application No. 24/Cal/79 filed January 9, 1979

Convention date January 9, 1978 (00768/78) U.K.

October 6, 1978 (39667/78) U.K.

Appropriate office for opposition proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

24 Claims

A machine for bruting or coning of gem stones, particularly diamonds, comprising .

means for rotating a pair of gem stones, at slightly different speeds, such that the surfaces of the stones contact and grind each other and the contacting surfaces move in generally opposite directions, means for reciprocating the stones relative to one another and feed means for moving the stones relatively towards one another to provide feed for bruting the stones

Comp Spec 17 pages Drgs 5 sheets

OPPOSITION PROCEEDINGS

An opposition has been entered by Research, Designs and Standards organisation, Ministry of Railways, Lucknow to the grant of a patent on application No 151007 made by Omkar Industries Inc

PATENTS SEALED

150251 150371 150385 150386 150493 150551 150560 150565
150568 150161 150629 150657 150767 150787 150789 150790
150791 150792 150795 150796 150797 150798 150801 150802
150803 150804 150806

COMMERCIAL WORKING OF PATENTED INVENTION

CHEMICAL LIST VII

The following Patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under section 146(2) of Patents Act, 1970 in respect of Calendar year, 1981, generally on account of want of requests for Licence to work the Patented inventions. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of Licence for the purpose

Sl No	Patent No	Date of Patent	Name and address of Patentees	Title of the inventions
1	2	3	4	5
1	143851	15-10-75	Rheinisch Westfalisches Elekt AG of 43 Essen Kruppstrasses, F R G	A process for producing manganese dioxide
2.	143853	25-1-77	Hoechst AG 6230 Frankfurt/Main-86, F R G,	Process for dyeing cellulose fibers with water insoluble azo dyestuffs produced on the fibers.
3	143854	3-7-75	Medallgesellschaft AG 16 Frankfurt A M Renter Weg, 14 West Germany	Process of purification of gases produced by gasification of solid fossil fuels by a treatment with water vapour and oxygen under super atmosphere pressure
4	143864	4-5-76	The Indian Space Research Organisation, Department of space, "F" Block, Cauvery Bhavan, District Office Road, Bangalore-560 009, Karnataka State, India	Process for the production of polyols.
5	143874	18-1-77	Shell Internationale Research Maatschappij B.V., of Carel Van Bylandlaan 30, The Hague, The Netherlands	Process and apparatus for preparation of dewatered carbonaceous particles.
6.	143876	24-7-75	Nuovo Pignone S p A , of Via F Matteucci 2, Firenze, Italy	A process for producing oxygen and/or nitrogen in the liquid state
7	143881	29-3-75	Snamprogetti S p A , of 16 Corso Venezia, Milan, Italy	Process for recovering urea powder
8.	143889	11-11-75	Hoechst Aktiengesellschaft, of 6230 Frankfurt/Main 80, F R G	A process for the manufacture of polymer mixture for making intermediate sheeting for laminated glass
9.	143891	27-11-75	Personal Products Co of Milton, New Jersey, U S A	Absorbent product with reduced sloughing properties and a catamenial tampon using same
10	143905	2-4-75	Metallgesellschaft AG of 6 Frankfurt A M Reuto weg 14, West Germany	Process for the direct reduction of iron oxide containing materials in a rotary kiln
11.	143911	22-10-75	Rheinisch Westfalisches Elekt AG of 43 Essen Krupp strasse 5, F R G	Process for the preparation of synthetic manganese dioxide
12	143912	24-11-75	Oy Lonja AB of 08700 Virkhalta Finland	Process and apparatus for producing compound thin films
13.	143915	10-12-75	Arbrook Inc At 2500 Arbrook Boulevard Arlington taxes, U S A	A method of treating medical and surgical instruments household subjects to render them sterile

1	2	3	4	5
14.	143919	10-2-75	RCA Corporation, of 30 Rockefeller Plaza, New York, 10020, U.S.A.	Method of selectively depositing glass on semiconductor devices.
15.	143923	25-3-75	Texaco Devl. Corporation of 135 East 42nd Street, New York, New York 10017, U.S.A.	Continuous process for the production of gaseous mixtures.
16.	143928	18-9-75	Gould Inc. 8550 West Brynmawr Avenue Chicago Telinois, U.S.A.	Grid for use in lead acid batteries containing the same.
17.	143931	29-11-75	Texaco Devl. Corporation of 135 East, 42nd Street New York, New York - 10017, U.S.A.	A continuous process for producing an stream of gas.
18.	143935	8-3-77	Continental Carbon Co. of 4120 South West, Free way Houston Texas 77027, U.S.A.	Method and apparatus for the combustion of waste gases.
19.	143953	9-7-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	A process for the synthesis of 1-(9-acrydyl)-4 substituted and 4-4 disubstituted piperidines as tubal acetubing agents.
20.	143962	4-5-76	The Indian Space Research Organisation, Department of space, "F" Block, Cauvery Bhavan, District Office Road, Bangalore-560 009. Karnataka, India.	A process for the production of hydrocarbon from vegetable oils.
21.	143982	17-11-75	Hoechst AG of 6230 Frankfurt/Main 80 F.R.G.	Liquid preparation of reactive dyestuffs.
22.	144000	13-6-75	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improvements in or relating to the soak clearing of steel contaminated with oil.
23.	144002	30-7-75	Rhone-Poulenc Industries, of 22 avenue Montaigne, 75 Pares (8th), France.	Micro porous membrane containing asbestos and a process for its products.
24.	144019	30-8-75	United States Borax & Chemical Corporation, 3075, Wilshire, Boulevard, Los Angels, California, U.S.A.	Process for the fluid bed dehydration of borax.
25.	144020	30-9-75	Hoechst AG of 6230 Frankfurt/Main, 80 F.R.G.	Process for the preparation of novel water soluble benzoxanthene and benzothioxanthene compounds.
26.	144027	14-4-77	Lubrizol Corporation, Box 17100 Euclid Station, Cleveland 0410 - 44117, U.S.A.	A process for preparation of a magnesium containing complex.
27.	144028	28-7-77	Union Carbide India Limited, of 1, Middleton Street, Calcutta-700071, West Bengal, India.	A process of continuous production of alpha sodium naphthalate.
28.	144044	19-12-74	Midrex Corporation, of One NCNB Plaza, Charlotte, North Carolina 28280, U.S.A.	Process for reducing iron oxide to metallic sponge iron with liquid or solid fuels.
29.	144057	19-11-75	Personal Products Co. At milltown, New Jersey, U.S.A.	A method for making absorbent cellulose particles.
30.	144058	19-11-75	Do.	Improved absorbents products with an absorbent core.
31.	144061	21-7-76	Nordmark Werke, D-2082 Vebersen German, F.R.G.	Process for the production of new oxazolidinones.
32.	144063	11-6-74	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, U.S.A.	Catalytic process for the preparation of polyhydric alcohols and derivatives thereof.
33.	144093	25-8-76	Goyama Chemical Co. Ltd. of 1-18 Kajamacho, Xlihombashi, chvo-ku-Tokyo, Japan	A process for the producing novel penicilline and cephalosporins.
34.	144097	22-7-76	Amencharia Gautam, Garudam Agari Sivarami Reddy, Oleti Siva Ramachandraiah, Boyapalle Rami Reddy and Sirdesai Thirumala Rao, of Indian Nationality of Oil Technological Research Institute, Anantapur, 515001, Andhra Pradesh, India.	A process of obtaining fatty oils and essential oils simultaneously from umbelliferous seeds.

1	2	3	4	5
35.	144101	29-7-75	The Oil Shale Corporation At 10100, Samta mouica Blvd. Los angeles, California 90067, U.S.A.	A process of pyrolysis of oil shale.
36.	144102	4-9-75	Texaco Devl. Corporation, 135 East 42nd Street, New York, 10017, U.S.A.	A method for continuous manufacture of gaseous mixture comprising H ₂ and Co.
37.	144109	1-12-75	Linde Aktiengesellschaft, at Werksgruppe TVT Munchen, 8023 Hoellriegelskreuth, West Germany.	Separation of hydrogen and carbon dioxide in a process for the production of hydrogen and carbon dioxide and an apparatus thereof.
38.	144119	13-9-75	Hoechst AG 6230 Frankfurt/Main-80 F.R.G.	A composition of matter comprising of dyestuff pigments or optical brightness and condensation product of alkyl naphthalene sulphonic acid and formaldehyde.
39.	144120	30-9-75	Hoechst AG 6230, Frankfurt/Main 80 F.R.G.	Process for the dyeing and printing of synthetic polyamides.
40.	144126	16-6-76	Chinon Gyogyszor of To - UTCA, 1-5 Budapest IV Hungary.	Process for the preparation of new malonic esters.
41.	144141	8-1-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi.	Process for coating of zinc and die cast zinc alloy corrosion protection.
42.	144147	19-10-76	Do.	Improvements or relating to the electrochemical preparation of O-toluidine sulphate from onitotulone.
43.	144152	6-11-75	Medallgesellschaft, AG of 16, Frankfurt, A.M. Reuterweg 14, West Germany.	A gravity separation process for the removing far from an aqueous condensate.
44.	144157	16-6-76	Johnson & Johnson, At 501 George street, New Brunswick, New Jersey, U.S.A.	Process for preparing digestive enzyme composition.
45.	144160	16-12-74	Nuchem Plastics Limited, 20/6 Mathura Road, Faridabad-211 006.	An improvement in a process for the preparation of poly carbonates.
46.	144163	17-6-74	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India,	A process for demineralisation of coals.
47.	144179	21-8-74	Dr. C. Otto & Comp. GMBH., of Christstraese 9, Postfoch 1849/1850, 463 Bochun, West Germany.	Process for preparing gases of free of ammonia hydrogen sulphide and hydrocyanic acid from gases which contain these substances.
48.	144185	22-3-76	Council of Scientific and Industrial Research, Rafi Marg, New Delhi.	An apparatus to monitor 4 nitro zehloro diazonium chloride during coupling with naphthal.
49.	144191	23-9-76	Do.	A process for the electro chemical production of zhydroxy para amino benzaic acid from 2-hydroxypnitrox benzoic acid.
50.	144192	18-9-76	Do.	A process for the preparation of chromic oxide.
51.	144206	7-5-76	Metaccgesellschaft of Renterweg 14 D 6 Frankfurt/AM Main and chemic 443 AO. A 4021 Linz St Pet emstrasses 25. F.R.G.	Continuous process of recove ing pure concentrated ammonia.
52.	144216	9-5-75	E. I. Du Pont of Wilmington deleware, U.S.A.	An oriented filament of polyester and a method of making same.
53.	144219	28-10-75	Medallgesellschaft AG of 16 Frankfurt A.M. Reutereveg 14, West Germany.	Procees for separating and recovering solids and clear liquid phase from dispersions.
54.	144220	27-4-76	Hoechst AG 6230 Frankfurt/Main, 80 F.R.G.	Process for the preparation of 5 acetoacetylamine benzimidazalene.
55.	144221	27-4-76	Do.	Process for the preparation of N-acetoacetyl 2-5, dl methoxy-4-chloro-amilde.

1	2	3	4	5
56.	144228	31-8-76	Combustion Engineering Inc, 1000 Project Hill Rd, Windsor Connectient, U.S.A.	A system for extracting heat from the combustion gases being exhausted from the furnaces of a steam generator.
57.	144231	27-10-76	Texaco Devl. Corporation, 135 East 42nd Street, New York 10017, U.S.A.	Preparation of solid fuel water slurries.
58.	144237	7-9-74	The South India Textile Research Association, Coimbatore Aerodrome Post, Coimbatore-14.	A process to prolong the abrasion resistance of cellulosic fibres.
59.	144241	29-5-76	Phillips Petroleum Co. of Bartlesville, State of Klahema, U.S.A.	Process for the production of microbial cells useable as food source.
60.	144252	2-12-74	Monsanto Company, at 800 North Lindbergh Boulevard, St. Louis, Missouri 63166, U.S.A.	Process for preparing novel bis—phosphine compounds.
61.	144261	2-4-75	Personal Products Co., Milltown, New Jersey, U.S.A.	A method for making cellulose graft copolymer.
62.	144264	30-7-75	Snamprogetti S.p.A., of 16 Corso Venezia, Milan, Italy.	Improvements in or relating to the production of polyaminolanes.
63.	144276	18-2-76	Hindustan Lever Limited, at Hindustan Lever House, 165/166 Backbay Reclamation Bombay - 400 020.	Skin lightening compositions.
64.	144289	17-11-76	Deutsch E Gold and silber Scheideanstalt vormals Gassler of 9, Weiss Fra-uenstrass, Frankfurt/Main, F.R.G.	Process for the preparing new 6-aryl-5-triazolo- (4-3-a) pyrido (2, 3-4)-1-y diazepines.
65.	144308	27-11-75	Lubrizol Corporation, P.O. Box 17100, Euclid station OHIA 44117, U.S.A.	A method of producing nitrogen containing sulphurated Mannich condensation product useful as an additive for lubricants and normally liquid fuels.
66.	144316	11-11-76	Council of Scientific and Industrial Research, Rafi Marg, New Delhi, India.	A process for preparation of α (3-pentadecyl oxy) isobutyric acids and their esters.
67.	144329	17-5-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improvements in and or relating to dry batteries.
68.	144344	28-1-76	Hoechst AG 6230 Frankfurt/Main 80 F.R.G.	An improved process for the preparation of water soluble azo dyestuff.
69.	144349	22-6-76	Do.	Stable liquid water containing dyeing composition containing disperse and reactive dyestuffs.
70.	144365	2-8-76	Council of Scientific and industrial Research, Rafi Marg, New Delhi, India.	A method of making of luminescent transfer paper.
71.	144366	3-8-76	Interprienderea De Medkamenta Bocorresti, Blud Ton Sul Eano, 246 Bucharest, Romania.	Method for the preparation of organic double salts.
72.	144385	10-3-76	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, U.S.A.	Process for the preparation of low and medium density ethylene polymer in fluid bed reactor.
73.	144389	28-1-76	Hoechst AG 6230 Frankfurt/Main 80 F.R.G.	A process for the preparation of liquid aqueous composition of fibre reactive azo dyes.
74.	144395	18-2-77	Wasagchemie GMBH of Promenadeplatz 9, 8000 Muncden 2, F.R.G.	A process for the separation and purification of 4-N acetyl amino benzene sulphochloride from reaction mixture of acetanilide and chloro-sulphonic acid.
75.	144408	31-3-76	Mitsui Coke Co. Ltd. No. 11 Muromachi 2-chome chuo-ku, Tokyo, Japan.	Process for manufacturing coke.
76.	144409	29-6-76	Union Carbide Corporation, of 270 Park Avenue, New York, State of New York 10017, U.S.A.	Electrochemical cells.
77.	144410	7-8-76	Dr. C. Otto & Comp. GMBH, of Christstrasse 9, Postfach 1849/1850, 463 Bochum, West Germany.	A method for the production of coke using a battery of coke ovens with a regenerative change of draught.

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78.	144429	10-6-77	CHONG MIN HO, C/o. C.M. Ho & Company, of Makum Junction, P.O. and T.O. Assam, India.	Improved fermentation through air seal for use in tea fermenting troughs.
79.	144449	7-5-76	Hoechst AG of 6230 Frankfurt/Main 80 F.R.G.	Process for the preparation of stable mono-azo dyestuff.
80.	144469	27-12-73	Gould Inc. AT 1110 High way 10 Mandota Heights Minnesota, U.S.A.	Method of treating the plates to be used in the lead acid storage battery.
81.	144479	31-5-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	An improvement new stop cock system for ground glass joints.
82.	144480	23-8-76	Do.	Improvements in or relating to the electro-chemical process for the production of bromoform from acetone.
83.	144499	15-4-76	Unilever Limited, of Unilever House, Blackfrictions, London, EC and England.	Process for the preparation of a dry leaf tea.
84.	144514	28-5-76	Hoechst AG 6230, Frankfurt/Main 80 F. R. G.	Process for the preparation of stable modification of disazo dyestuffs.
85.	144518	21-10-76	Nord Markwerke, Holstern in D-2082 ue-tersen F. R. G.	Proces for the production of new immixe-dazole derivative.
86.	144524	8-1-76	John N. Nible Corporation, 22 East 40th Street, New York, State of New York, U.S. A.	Method and apparatus for eliminating internal hot gas attenuation in the rotary fiberization of glass.
87.	144534	27-4-76	Hoechst AG 6230 Frankfurt Main 80 F. R. G.	Process for preparing 1(NB cyanoethylamino) 3-acylamino benzene.
88.	144542	24-4-76	Federal Mogul Corporation, of 20555 Northwestern Highway, Southfield, Michigan 48075, U.S.A.	Process for the making composite bearing material.
89.	144562	23-8-76	Quebec Iron and Titanium Corporation-For Et Titane Du Quebec, Inc., of Soral, P. O. Box 560 Province of Quebec, Canada.	A process for recovering of titanium as titanium tetra chloride.
90.	144565	28-2-77	General Electric Co. 1, River Road, Schenectady, 5 New York, U. S. A.	Shaped flame retardant rigid thermoplastic foams.
91.	144572	12-6-75	Personal Products Co. of Miltown, New Jersey, U. S. A.	A method of insolubilizing etherified cellulose copolymer.
92.	144575	4-2-76	The Babcock & Wilcox Co., 161 East 42nd Street, New York, U. S. A.	A method of recovering chemical from the residual waste liquor obtained from chemical pulping process of cellulosic material.
93.	144576	26-5-76	Hoechst AG 6230 Frankfurt/Main 80, F. R. G.	Preparation of dispense dyestuffs having improved safety properties or a higher dyestuff yield.
94.	144577	20-7-76	Monsanto Company, at 800 North Lindbergh Boulevard, St. Louis, Missouri-63166, U. S. A.	Process of making thermoplastics elastomeric composition.
95.	144597	10-5-77	Johnson & Johnson 501 Geogre Street, New Brunswick, New Jersey, U. S. A.	A Pressure sensitive adhesive composition.
96.	144604	30-8-76	Lubrizol Corporation, Box 17100 Euclid Staten Cleveland 64A 49117-U. S. A.	Process for the preparation of hydrocarbon substituted methyol phenol composition.
97.	144617	25-8-76	Phillips Petroleum Co. Bartlesville State of, OKLAHOMA, U. S. A.	Production of single cell protein material.
98.	144619	11-12-75	CIBA-GEIGY AG, Swiss Corporation , of Klybeckstrasse 141, 4002 Basle, Switzerland.	Process for the production of reactive dyes.
99.	144620	5-4-77	Pulp & Paper Research Institute, Jaya-kaypur, Distric : Koraput, Orissa, India.	A method and a plant for recovering chemicals from black liquor in a pulp mill 30 to 35 tones per day capacity.

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100.	144622	3-7-76	Council of Scientific and Industrial Research, Rafi Marg, New Delhi, India.	A method for effecting recombination of gases evolved during the over changing process back into water in sealed lead acid storage and cells and batteries.
101.	144632	14-1-76	Johns Manville Corporation, 22 East 40th Street, New York, U. S. A.	Method and apparatus for eliminating external hot gas attenuation in the rotary fiberization of glass.
102.	144639	5-1-76	Council of Scientific and Industrial Research, Rafi Marg, New Delhi, India.	Improvements in or relating to acid picking of ferrous items.
103.	144644	13-4-76	Saint-Gobain Industries, 62, Boulevard Victor Hugo, Nemilly, Sun Shine, France.	Process for the manufacture of phenol formaldehyde resins.
104.	144645	23-7-76	Hoechst AG 6230 Frankfurt/Main 80 F. R. G.	Process for the preparation of water soluble copper complex compounds.
105.	144657	27-3-76	Rhone-Poulenc Industries, of 22, avenue Montaigne, 75 Paris (8th), France.	A method of degassing polymers and copolymers.
106.	144661	22-9-76	N. V. Phillips' Gloeilampenfabrieken, of the Kingdom of the Netherlands, at Emaasigel, Eindhoven, Netherlands.	A multi-layer reflector and gas discharge layer incorporating it.
107.	144670	7-8-76	Rhone-Poulenc Industries, of 22 Avenue Montaigne, 75 Paris (8th), France	A method of preparing aluminium hydroxy chlorides.
108.	144673	25-8-76	Metallgesellschaft AG, 16 Frankfurt A. M. Reuterweg 14 West Germany.	Method of carrying out exothermic process.
109.	144674	24-9-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Process for the preparation of a new slow release herbicide to control pathenium hysterophorus linn.
110.	144675	15-12-76	Benilite Corporation of America, U. S. A. at 233 Broadway, New York 10007, U. S. A.	Improvements in benefication of ilmenite ore.
111.	144686	31-1-77	Metallgesellschaft AG 16 Frankfurt AM. Reutereveg 14, WEST GERMANY.	Improvements in or relating to a process of directly reducing iron containing oxide materials to sponge iron.
112.	144711	2-5-75	F. L. Smith & Co. A/S., of 77 Vigerslev Alle, DK-2500 Copenhagen Valby, Denmark.	Improvements in relating to the method and plant for calcination of pulverous materials.
113.	144745	14-2-77	SID Richardson Carbon and Gasoline Co., at 31st Floor, Fort Worth, National Bank Building, Fort Worth, Texas 76102, U. S. A.	Method and apparatus for the production of carbon black.
114.	144746	23-3-77	The Tata Iron and Steel, Co. Ltd., Jamshedpur, Bihar, India.	Improved method of coating ingot moulds and the moulds so coating.
115.	144758	23-6-75	Lubrizol Corporation, P. O. Box 17100 Euclid Station, Ohio 44117, U. S. A.	A metal work piece having on the surface thereof an lubricant.
116.	144759	28-3-77	Kurha Kagaku Kogyo No 8 Heridome, cho-1 chome, Tokyo, Japan.	Method of producing nitrogen containing polysaccharides having an anti tumor activity.
117.	144761	21-4-75	Texaco Devil. Corporation, 135 best 42nd Street, New York-10017, U. S. A.	Production of methane rich gas.
118.	144769	23-7-76	Nylex Corporation Limited, 10 Queens Road, Melbourne, State of Victoria, Australia.	Games ball constructed of a cellulosic plastics material and method of manufacture of the same.
119.	144789	19-4-75	Caterpillar Tractor Co., 100 N. E. Adams Street, Peoria, Illinois 61629, U. S. A.	A process for the manufacture of composite wear resistant alloy and tools from same.
120.	144792	5-7-76	The Tata Iron & Steel. Co. Ltd., Jamshedpur, BIHAR, India.	Apparatus for carrying and the electro slag/ electroflux refining process for metal.
121.	144796	27-6-77	Do.	A cold deformation process for the manufacture of reinforcing metal bars.
122.	144822	17-2-76	Saint-Gobain Industries, 62 Boulevard Victor Hugo, Neuilly sur-Saône, France.	Process and apparatus for making fibers from attenuable material for example glass.

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123.	144827	12-10-76	Metallgesellschaft, 16 Frankfurt, A. M. Renterweg, 14 West Germany.	A process for producing a sulphur from gases.
124.	144829	29-3-77	Union Carbide Corporation, at 270 Park Avenue, New York, State of New York 10017, United States of America.	Process for polymerizing a monomer charge.
125.	144838	2-7-76	Bernard Demoiseau, of 11, Rue Joseph-Cursat, 74100, Annemasse-Dept, of Haute-Savoie, France.	Method for the continuous combustion of mineral or organic combustibles and installation for carrying out this method.
126.	144842	17-9-76	Metallgesellschaft, A. G 16 Frankfurt A. M. Renterweg, 14, West Germany.	Process for producing pure concentrated ammonia.
127.	144852	28-7-73	Robert Bosch, GMBH, of Postfach 50, 7 Stuttgart 1, West Germany.	An electrically conductive sealing composition and a method of its preparation.
128.	144858	6-8-76	British Steel Corporation, 33 grosvenor, Place, London.	Improvements in or relating to furnaces more especially to furnaces for continuously treating strip material.
129.	144875	9-11-76	Council of Scientific & Industrial Research, Rafi Marg, New Delhi, India.	Improved continuous high pressure process for hydrogenation of glucose to produce sorbitol.
130.	144882	8-9-77	Hoechst Aktiengesellschaft, of D 6230 Frankfurt/Main 80, F. R. G.	Continuous removal of monomers from an aqueous dispersion of a polymer.
131.	144891	7-6-76	Gould Inc, 10 Gould Center, Rolling Meadows Illinois, 60008, U. S. A.	A water activatable lead acid a storage battery and method of manufacturing the same.
132.	144918	9-9-76	Council of Scientific and Industrial Research, Rafi Marg, New Delhi, India.	A process for preparation of novel and 9-(3-Pentadecyl-aryloxy) propionic acids and their functional derivatives.
133.	144919	22-9-76	Texaco Devl. Corporation, 133 East 42nd Streets, New York, New York-10017, U. S. A.	A process and apparatus for continuously separation by gravity a particulate carbon liquid organic extractant dispersion.
134.	144926	17-1-77	HOECHST Aktiengesellschaft, of 6230 Frankfurt/Main 80, F. R. G.	Process and apparatus for the manufacture of pipe bends of thermoplastic material.
135.	144934	9-7-76	Gasellschaft Furelektrro, Federal Republic Germany.	Process for the decarbonization of high carbon ferromanganese.
136.	144935	10-8-76	Phillips Petroleum Co. Bartlesvillle state of Oklahoma, U. S. A.	Process for decontaminating catalyst and a process for the catalytic cracking of hydrocarbons using such a catalyst.
137.	144940	8-2-77	Lubrizol Corporation, P. O. Box 17100, DHJA-44117, U. S. A.	A lubricating composition.
138.	144941	17-2-77	Chisso Corporation, Osaka, Japan.	Method for producing vinyl chloride polymers.
139.	144959	20-4-76	Phillips Petroleum Co. State of Delaware, U.S.A.	Process for producing a catalyst useful for producing olefin polymers.
140.	144962	28-4-76	Mr. John A. Eastin, P. O. Box, 389, Grant Nebraska., U. S. A.	Apparatus for nitrogenous fertilizing.
141.	144964	28-5-77	Council of Scientific & Industrial Research Rafi Marg, New Delhi.	Improvements in or relating to a process for preparation of fluorescent marking ink.
142.	144976	6-2-76	Saint-Gobain Industries, 62 Bonlivand Victor Hugo, F 92269, Neuilly sur seine, France	Process and apparatus for making fibres from attenable material for example glass.
143.	144979	1-7-76	Hoechst AG 6230, Frankfurt/Main 80, F. R. G.	Liquid compositions of reactive dyes.
144.	144985	23-11-76	Texaco Devl. Corporation, 135 East 42nd street, New York-10017, U. S. A.	Fluidized cracking catalyst regeneration process and apparatus.
145.	144991	6-10-77	Kureha Kagaku Kogyo Kabushiki Kaisha, No. 9-11, Nihonbashi-Horidome-cho, 1-chome, Chuo-ku, Tokyo, Japan.	Method for preserving edible roots of devil's tongue.

COMMERCIAL WORKING OF PATENTED INVESTIGATIONS LIST NO. VIII

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the patentees in the statements filed by them under Section 146(2) of the patents Act 1970 in respect of Calender year 1981, generally on account of want of requests for licence to work the patented inventions. Persons who are interested to work the said patents commercially may contact the patentees for the grant of Licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of the patentee	Title of the invention
1	2	3	4	5
1.	145019	1-11-76	CSIR Rafi Marg, New Delhi.	Improvements in or relating to the preparation of green photo luminescent copper activated zinc sulphide phosphor.
2.	145028	21-1-77	Personal Products of Co., Mill Town, New Jersey, U. S. A.	An absorbent product such as sanitary napkins and diapers.
3.	145036	11-1-77	Unilever Ltd., Unilever House, Black-friars London EC 4 England	Stabilization of compounds particularly biologically active compounds and apparatus useful for application and said stabilization particularly for performing biological tests.
4.	145062	30-11-76	Union Carbide Corporation 270 Park Avenue, New York, 10017, U. S. A.	Method for preparing carbamater sulfonyl carbamoyl fluoride compounds.
5.	145063	Do.	Do.	A method for preparing unsymmetrical biscarbamate compounds.
6.	145083	7-10-76	Lubrizol Corporation P. O. Box 17100 Euclid Station Cleveland Ohio 44117 U. S. A.	A lubricant composition for two cycle engines.
7.	145084	Do.	Do.	Process for preparing amino phenol compound.
8.	145085	27-10-76	Do.	A process for making a nitrogen containing organic composition.
9.	145087	19-7-77	UBE Industries Ltd, 12-32 1-chome, Nishi-Honomachi, Ureshi Yamaguchipen Japan.	Process for the preparation of dialkyl Oxalates.
10.	145094	10-12-75	Sumitomo Aluminium Smelting Co. Ltd., No. 15 Kitahama 5-chome Higashi-ku Osaka, Japan.	Process for producing aluminum.
11.	145113	8-11-76	Texaco Development Corporation 135 East 42nd street, New York 10017 U. S. A.	Production of clean synthesis or fuel gas.
12.	145165	8-10-76	Johnson & Johnson 501 George street, New Brunswick New Jersey, U. S. A.	Low imitation detergent composition.
13.	145169	28-3-77	Kureha Kagaku Kogyo No. 8 Horodomecho Nihonbashi, Chuoku Tokyo Japan	Method of producing nitrogen containing poly saccharides.
14.	145170	19-4-77	Nordmark werke Gesellschaft Mit Holsstein IN D-2082 Uetersen German Federal Republic.	A process for the production of 2, 4-diamino 5-benzylpyrimidenes.
15.	145172	6-12-76	CSIR Rafi Marg, New Delhi.	An electro chemical process for the production of para toluidine from p-nitrotoluene.
16.	145200	25-6-76	Union Carbide Corporation 270 Park Avenue, New York 10017, U. S. A.	Process for producing N amino sulphonyl carbamate compounds.
17.	145212	6-5-77	Hoechst A G., 6230, Frankfurt, Main F.R.G.	Process for the preparation of isomer free toluene 4-sulfonic acid.
18.	145214	16-4-77	CSIR Rafi Marg, New Delhi.	A process for the preparation of substituted 5-aloxy carbonylamino 1, 2, 4.
19.	145226	29-9-76	Jerome Katz 280 Rhinecliff Drive, Rochester New York U. S. A.	A process for scouring desizing and bleaching cotton greige goods.

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20.	145227	25-11-76	Hoechst AG 6230, Frankfurt Main 80 F.R.G.	Process for the preparation of a catalyst for use in the polymerization of olefins.
21.	145233	5-4-77	Gulf Oil Corporation Pittsburgh Pennsylvania, U. S. A.	Process for preparing 1 (N-N dimethyl carbamyl) -3-terbutyl -5-methyl-thio-1, 2, 4-triazole.
22.	145251	27-5-76	Asahi Glass Co. Ltd., 1-2, Marunouchi, 2-chome, Chiyoda-ku Tokyo, Japan.	Process for producing ammonium chloride.
23.	145255	1-9-76	Texaco Devl Corporation 135 East 42nd street, New York 10017, U. S. A.	Process for production of synthesis gas.
24.	145260	9-3-77	Haldor Topsoc A/S 55, Nymollevej, DK 2800 Lyngby Denmark.	Apparatus and process for the synthesis of ammonia.
25.	145262	7-6-77	Sanraku Ocean Co etc 7 Takara cho-1-cho-ku, Tokyo, Japan.	A method for preparing depsipeptide antibiotics neovirido griseins.
26.	145268	14-2-77	CSIR, Rafi Marg, New Delhi	Improvements in or relating to process for anodic phosphating steel substances.
27.	145272	30-11-76	Union Carbide Corporation 270 Park Avenue, New York 10017, U. S. A.	A method for preparing carbamate carbamyl fluoride compounds.
28.	145275	28-1-77	UOP INC 10 UOP Plaza Algoquin & Mt. Prospect Roads, Des Plaines, Illinois, U. S. A.	Method of regenerating coke contaminated catalyst with simultaneous combustion of carbon monoxide.
29.	145280	17-8-77	Great Lakes Carbon Corporation 299 Park Avenue New York, U. S. A.	A method of calcining and aratory calciner
30.	145290	6-9-76	Grandes Minotereries A Feves De France Bassot Et Cie 44 Rue du Louvre, 75001 Paris France.	Improvements relating to a process of manufacturing texturised protein of vegetable origin.
31.	145292	8-12-76	Chinon Gyogyszer Es Vegyeszeti Termekeke Gyora RT 1-5- to U. Budapest IV Hungary.	Process for preparation of N ₂ (2 furyl) ethylamine derivatives.
32.	145296	30-9-76	Ciba Geigy of India Ltd., Aarey Road, Goregaon East Bombay-63, Maharashtra, India.	Process for the manufacture of heterocyclic compounds having hypoglycemic properties.
33.	145304	27-12-76	CSIR Rafi Marg, New Delhi.	Process for the electro chemical preparation of aryl alkylamines such as benzylamine and beta phenyl ethylamine (ethylamine).
34.	145313	10-1-77	F. L. Smith & Co. A/S 77 Vigerslev, DK 2500 Valby Copenhagen, Denmark.	A method of burning pulverous raw materials such as cement raw meal limestone of chemically precipitated CaCO ₃ , or alumina Trihydrate in a plant.
35.	145332	11-6-76	Kennecott Corporation 10 Stamford Forum, Connecticut, U. S. A.	Granular activated carbon manufacture from low rank bituminous coal backed with diluted inorganic acid.
36.	145355	7-5-76	Eisenwerk Gesellschaft Maximilianshutte 8458 Sulzbach Rosenberg West Germany.	Method and apparatus for continuous gasification of solid and/or fluid carbon containing and/or hydro carbon containing substances in molten iron in a reaction vessel.
37.	145356	10-5-76	Kennecott Corporation 10 Stamford, Forum, Connecticut, U. S. A.	Process for the manufacture of granular activated carbon from sub-bituminous coal bleached with dilute inorganic acid.
38.	145357	11-6-76	Do.	Granular activated carbon manufacture from bituminous coal mixed with concentrated inorganic acid without pitch.
39.	145360	10-11-76	Mundipharma A.G., St. Alban Vorstadt 94, Postfach CH-4006 Basel /Switzerland	Process for the production of new Quinuclidine compounds.
40.	145369	29-7-76	Rhone Poule Industries 22 Avenue Montaigne 75 Paris (8th) France.	A composition for treating wastes to fluorinate impurities contained therein and method of making the same.

1	2	3	4	5
41.	145370	9-8-76	CSIR Rafi Marg, New Delhi.	Process for the preparation of flame retardant and water resistant bitumen.
42.	145378	4-5-77	American Cyanamid Co. Wayne New Jersey, U. S. A.	Novel method for the denitrosation of organic nitro samines.
43.	145380	1-9-75	Hindustan Lever Ltd., Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20.	A Process for preparing a detergent composition thus prepared.
44.	145409	14-12-76	Ethicon Inc. Somerville New Jersey, U. S. A.	Absorbable surgical suture and a process for the preparing the same.
45.	145414	17-8-77	Hoechst AG 6230 Frankfurt, Main 80/ F R.G.	A process for the preparation of propylene terpolymers
46.	145416	22-9-76	Aikon Co. Ltd. No. 1, 392-Chome, Ike-no-hata Jaito Ku Tokyo Japan.	A method for desulfurizing and inoculating molten iron with magnesium.
47.	145417	23-10-76	Westinghouse Electric Corporation Westinghouse Building, Gateway Center Pittsburgh Pennsylvania 15222, U. S. A.	A method of producing homogeneous sintered ZnO non linear resistors sintered resistor body obtained thereby and lightning arrester containing the same.
48.	145439	1-10-75	Fierro Esponda S A Avenue Los Angeles Al Orient Monterrey Nil Republic of Mexico.	Method and apparatus for gaseous reduction of metal ore.
49.	145460	23-12-76	Johnson & Johnson 501 George Street, New Brunswick New Jersey, U. S. A.	A method for obtaining a preparation for filling or sealing of pits and fissures in the teeth.
50.	145465	16-11-76	Catalysts & Chem Inc. 1227 So 12th street, P. O. 86, Louisville Kentucky 40201 U.S.A.	Process for preparing a catalysts for the steam reforming of normally liquids hydro carbons.
51.	145468	22-6-76	Societa Industriale Agglomeratii Prodotti Petroliferi S. P. A. 117 Corso del Popolo 30172, Venezia, Mestre Italy	A process for producing graphitic agglomerates and agglomerated products obtained by it.
52.	145471	28-12-75	Monsanto Co. 800 North Lindbergh Boulevard St. Louis Missouri 63166 U. S. A.	Preparation of benzyl and aryl esters of N-phosphonomethyl glycines.
53.	145472	12-1-77	Ellingson Timber Co. 3275 Banker Street, Baker Oregon U. S. A.	Manufacture of overlayed product with phenolformaldehyde barrier for polyisocyanate binder and Ha product so manufactured.
54.	145478	24-11-76	Lone Star Steel Co. 2200, W. Mockingbird Lane, Dallas Texas 75235 U. S. A.	Process for obtaining pollutant and material fuel gas stream and apparatus therefor.
55.	145514	23-11-76	Rachel D. Davis 111 East Garden street, Kinston Caroline, U. S. A.	Process for the preparation of a nutritive composition.
56.	145516	9-9-77	Union Carbide India Ltd., 1 Middleton street, Calcutta-71, West Bengal, India.	Separation of mixture of 3:4 & 2 : 4 dichlorobenzyl chlorides from reaction product containing same and p-chlorobenzyl chloride.
57.	145517	18-10-77	Shell Internationale Research Maatschappij BV Carel Van Bylandtlaan, 30 The Hague The Netherlands.	Process for the preparation of hydrogen rich gas.
58.	145525	8-12-76	Mundipharma AG St. Alben Vorstadt 94 4006 Basel/Switzerland.	Method of producing stabilized choline salicylate carboxy methyl cellulose metal complex.
59.	145531	12-7-77	Texaco Trinidad 135 East 42nd Street, New York 10017 U. S. A.	Slow release fertilizers composition and process for preparing same.
60.	145547	16-11-76	RCA Corporation 30 Rockefeller Plaza, New York 10020 U. S. A.	Process for the manufacturing hybrid oxides of silicon for semi conductor device.
61.	145549	2-12-74	Monsanto Co. 800 North Lindbergh Boulevard, St. Louis, Missouri 63166 U. S. A.	Process for preparing optically active catalyst.

1	2	3	4	5
62.	145552	26-8-77	Hoechst AG 6230 Frankfurt Main 80/ F.R.G.	Pigment dispersions.
63.	145569	5-4-77	Gulf Oil Corporation Pittsburgh, Pennsylvania U. S. A.	Process for preparing 1 (N,N—dimethyl carbomayol) 3-tert butyl methyl thio 1-2, 4-triazole.
64.	145597	28-2-77	General Electric Co. A1 River Road, Schenectady 5, New York U.S.A.	Color stabilised halo biophenol ethylene polycarbonates composition.
65.	145599	3-1-77	Toth Aluminium Corporation 5010 Leroy Johnson Drive, New Orleans 70812 U. S. A.	Improved ore halogenation process.
66.	145609	26-7-77	ICI Ltd. ICI House, Millbank, London S, W1 p3JF	A process for preparation of chlorinated polymers.
67.	145613	8-12-76	American Cyanamid Co. Wayne, New Jersey, U. S. A.	Process for preparing 2-6- dinitrocumbine herbicides.
68.	145617	22-8-77	Outokumpu OY Outokumpu, Finland	Hydrometallurgical process for recovery of zinc, copper, and cadmium from their ferrites
69.	145626	15-7-76	Air Products & Chem Allentown Pennsylvania 18105 U. S. A.	Gasification of hydrocarbon feed stocks.
70.	145657	5-2-77	CSIR Rafi Marg, New Delhi	A process for the preparation of 17 A a methyl 3 β pyrrolidino 17A azo D Homandroste sene dimethiodide (Chandomium-iodide) (HS 310)
71.	145672	5-5-77	Chinon Gyogyszer 1-5 to 4 Budapest IV Hungary.	Process for the preparation of novel W-amino carboxylic acid amides.
72.	145673	8-8-77	Metallgesellschaft AG 16 Frankfurt, A. M. Routerweg 14, West Germany.	Process of calcining lime stoves in a rotary kiln.
73.	145674	7-10-77	Hoechst AG 6230 Frankfurt, Main 80/ F.R.G.	Metal anodes suitable for use in the elasto- lytic production of manganese dioxide and a process of manufacturing the same.
74.	145694	28-9-77	International Minerals & Chem Corporation IMC Plaza, Liberty ville, Illinois U. S.A.	Beneficiation of fluorspar ore.
75.	145723	29-4-77	CSIR Rafi Marg, New Delhi.	An improved process for heat treatment of high chromium high carbon castalloy steel grinding media balls.
76.	145731	29-4-77	Do.	An improved process for the preparation of 2, 4 dichloro phenol of more than 98% purity.
77.	145752	3-11-76	Rhone Poulenc Industiers. 22 Avenue Montaigne 75 (Paris) (8) France.	A method for producing flourine compounds free gaseous mixture.
78.	145755	7-2-77	American Home Products Corporation 685, Third Avenue, New York 10017 U.S.A.	Process for the preparation of oxanilic acid derivative.
79.	145788	15-10-76	Deutsche Gold Und Silber 9 Weissfranens- trasse 6000 Frankfurt Main F.R.G.	Procedure for carrying out in exchange reaction.
80.	145795	21-8-75	Nuchem Plastics Ltd., 20/6 Mathura Road, Faridabad 121006	A process for the preparation of a catalyst
81.	145810	19-10-77	ICI Ltd IC House, Mill bank, London SW 1 P 3JF	Explosive fuse cord method and apparatus for manufacturing the same
82.	145818	16-8-76	United Technologies 1, Financial Plaza, Hartford Connectivut 06101 USA	Process of preparing a thermally protected super alloy structure
83.	145843	6-4-77	CSIR Rafi Marg, New Delhi	Process for the separation of N-paraffinic hydro carbons of carbon range C12-C25 present in kerosene and light diesel oil fractions by microbial means
84.	145845	15-12-76	Pfizer Inc 235 42nd street, New York, USA	Process for preparing a stable antibiotic composition.

1	2	3	4	5
85	145850	29-3-77	Schablonentechnik Kufstein GmbH 6330 Kufstein Schaftenau Australia	Process for producing a perforation pattern metal foil in pressure screen printing and a pressure printing Screen produced thereby
86	155851	7-4-77	Nitto Chemical Industry Co Ltd No. 5-1 Marunouchi 1-chome Chiyoda-ku Tokyo Japan.	Process for producing acrylonitrile
87	145855	29-7-77	UOP Inc 10 UOP Plaza, Algoquin & Mt Prospect Road, Des Plaines, Illinois USA	Process for separating a mono saccharide from an oligo saccharide by selective adsorption
88	145872	12-4-77	Deutsche Gold Und Silber 9 Weiss Franckenstrasse Frankfurt Main FRG	Process for preparing basically substituted xanthine derivatives
89	145873	8-8-77	Metallgesellschaft AG 16 Frankfurt AM Reuterweg 14, West Germany	Direct reduction process of iron oxide containing material carried out in a rotary kiln
90	145876	9-11-77	American Cyanamid Co Wayne, New Jersey, USA	Improvements in process for the preparation of 2-diethoxy phoshinylimino 1,3-dithictane
91	145882	19-10-77	Shell Internationale Research Maat schappij BV Carel Van Bylandtlaan 30, The Hague The Netherlands	Process for the separation of dry particulate molten for a hot gas
92	145890	13-1-79	Quebec Iron & Titanium Corporation P. P. Box 560 Sorel, Quebec Canada	A process for producing titanium tetra chloride from titanium oxide bearing material
93	145892	16-4-77	Union Carbide India Ltd 1 Middleton street, Calcutta-71 West Bengal India	A synthetic method for the production of chloro-2-methyl-1-nitro so propane
94	145893	Do.	Do.	Process for the production of butyl nitrite
95	145899	17-6-77	CSIR Rafi Marg, New Delhi	A process for the preparation of ammonia vanadate from sludge of alumina
96	145905	7-3-77	John Wyeth & Brother Ltd Huntercombe Lane, South Taplow, Maidenhead, Berkshire England	Process for preparing indoles
97	145908	4-10-77	Chinon Gyogyszer 1-5 to U Budapest, Hungary	A process for the preparation of new amines
98	145913	4-7-77	Ahmedabad Textile Industrys Research Association 1860 P. O. Polytechnic Ahmedabad-380015 Gujarat, India	Improved process for wet treatment of textile and apparatus for carrying out said process
99	145921	21-6-76	Hindustan Lever Ltd Hindustan Lever House 165/166 Backbay Reclamation Bombay-20.	Super fatted detergent bars
100	145922	23-6-76	Davy Bamag GmbH Butzback/Hessen, West Germany	Coal gasification process
101	145928	4-8-76	Hindustan Lever Ltd Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20	Method of preparing mango kernal fat composition
102	145931	21-8-76	Do.	Detergent compositions
103	145932	9-11-76	Calico Industrial Engineers Chakala Works, Andheri East Bombay-99	Process and plants for continuous scouring of textile in open width.
104	145935	9-6-78	Ahmedabad Textile Industry's Research Association P. O. Polytechnic, Ahmedabad 15 Gujarat India	Improvements in or relating to the synthesis of 2, 3, 4, 6 dio Isopropylidene L sorbose
105	145940	2-11-76	Diamonds Shamrock Enrope Ltd. 1 Emerson House, Albert Street Eccles, Manchester M30 0BH England	A concentrate for use in the dispersions of oil spillages
106	145942	12-2-74	Catalysts & Chem Inc 1227 So 12th street, Louisville Kentucky USA	An absorbent for removing chloride compounds for industrial fluid streams.

1	2	3	4	5
107	145945	10-3-77	CSIR Rafi Marg, New Delhi	A method and machine for continuous casting of flat membrane
108	145950	17-8-77	American Cyanamid Co Wayne, New Jersey USA	Process for the preparation of m-phenoxy benzaldehyde
109	145951	4-10-77	Metallgesellschaft AG 16 Frankfurt AM Reuteweg 14, German Federal Republic	Process for regenerating water containing methanol or other water containing highly volatile organic solvent from gases
110	145959	2-10-76	Hindustan Lever Ltd Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-20	Heavy duty fabric washing powder
111	145965	5-10-77	UBE Industries Ltd 12-32-1 chome, Nishi Honmachi Obe-shi Yamaguchi Ku Japan	Process for preparing diesters of dicarboxylic acids
112	145975	21-9-76	Schubert & Salzer Maschinenfabrik AG Friedrich Ebert Strasse 84, 8070 Ingolstadt West Germany	Method and apparatus for automatically rendering fleeces silver roving and the like uniform by drafting
113	145988	5-4-77	Phillips Petroleum Co Bartlesville State of Oklahoma USA	Process for the production of carbon black
114	145990	6-6-77	Boliden Aktiebolag Stiregatan 22, P. O. Box 5508 S-11485 Stockholm Sweden	A method of crystallizing aluminium sulfate solution to dust free granules having uniform grain size
115	145992	4-7-77	Kureha Kagaku Kogyo No 8 Haridome cho-1 chome, Nihonbashi Chuo-ku, Tokyo, Japan	Method of producing poly saccharides
116	146002	28-2-77	General Electric Co 1, River Road, Schenectady 5, New York	Color stabilized halobis phenol ethylene poly carbonates
117	146012	26-7-77	Kureha Kagaku Kogyo No 8 Haridomecho-1 Chome Nihonbashi chuo Ku Tokyo, Japan	Improvements in a method of preparing a nitrogen containing polysaccharide
118	146015	30-8-76	CSIR Rafi Marg, New Delhi	Improvements in or relating to composite boards from rice husk and composite board obtained by said process
119	146022	23-5-77	The Registrars Indian Institute of Science of Bangalore Malleswaram Bangalore-560012 Karnataka India	A method of preparing vitamin A derivatives
120	146029	5-4-8-77	CSIR Rafi Marg, New Delhi	A sulphate recycle process for the preparation of N-p fertilisers from Indian rock phosphate
121	146030	21-9-77	American Home Products Corporation 685, Third Avenue, New York, 10017 USA	Process for the preparation of nonapeptides
122	146033	3-10-75	Gould Inc 8550 West Bryn Mawr Avenue, Chicago Illinois USA	A lead acid battery
123	146034	10-9-75	Do.	Maintenance free lead acid storage battery
124	146035	Do.	Do.	Lead acid battery
125	146036	Do.	Do.	Maintenance free lead acid storage battery improved current draw characteristics
126	146044	1-4-77	Shinetsu Chem Co Ltd 6-1 Otemachi 2, Chiyoda Ku Tokyo Japan	Method for removing unreacted monomer from the aqueous dispersion of polymerization of vinyl chloride

1	2	3	4	5
127	146057	19-7-77	Projektierungsschemische GmbH Grabenstr 8, 5,4000 Dusseldorf 1, West Germany	Process for obtaining xylan and fibrin from vegetable raw material contains xylan
128	146058	18-2-77	Kanebo Ltd 3-26 Tsutsumidori 3, Chome, Sumida-ku Tokyo, Japan	Method for the preparation of novel transient pro drug forms of xanthine derivatives
129	146069	10-5-77	Johnson & Johnson 501 George Street, New Brunswick, New Jersey, USA	Jacky adhesive composition
130	146075	28-2-77	General Electric Co 1 River Road, Schemec-tady 5, New York USA	A polycarbonate compositions containing glass fibre reinforcing agents
131	146078	19-5-77	lnc Europe Ltd Thomes House, Millbank, London SW1P 4QF England	Improvements in or relating to the production of hard heat resistant nickel base electro deposits
132	146105	29-10-76	Union Carbide Corporation 270 Park Avenue, New York 10017 USA	Process for removal of H ₂ S from feed gas
133	146114	5-10-77	Union Carbide India Ltd 1, Middleton street, Calcutta-71 India	Method for the synthesis a herbicidal composition containing a mixture of 3, 4, ad 2, 4 dichloro benzyl-N-methyl carbamates
134	146138	14-11-77	IBEC Industries INC 1271 Avenue of the Americas New York, 10017, USA	Process for coagulating polymer latices using screw type extruder
135	146148	6-5-77	Hoechst AG 6230 Frankfurt Main 80/FRG	Process for the fixation of organic compounds an materials having abilrous structure
136	146151	22-3-77	CSIR Rafi Marg, New Delhi	An improved fermentation process for the preparation of section (2, 3 butanolone acetyl methyl carbinol)
137	146164	26-7-77	Do.	Improved procees for the production of zinc phosphate using zinc oxide
138	146167	18-11-77	Hoechst AG 6230 Frankfurt Main 80/FRG	Process for the preparation of water soluble dyestuffs
139	146173	10-2-77	Chinon Gyogyszer ES To UTCA, 1-5, Budapest IV Hungary	Process for the preparation of fused pyrimidine derivatives
140	146183	21-3-77	CSIR Rafi Marg, New Delhi	A process for the production of an electrically conductive paper used as a substrate for applying zinc oxide electro photographic layers
141	146226	14-2-77	Nicholson Realty Ltd 5800 Morroe Street, Building F Sylvania Ohio 43560 USA	A method for producing a durable mass for supporting surfacing
142	146227	1-4-77	Chubb Fire Security Ltd Pyrene House, Sunbury on Thames, Middlesex, TW16 7AR England	Fire fighting compositions
143	146230	2-4-75	Personal Products Co Mill town, New Jersey, USA	A suitary absorbent product having cellulose graft copolymer
144	146232	19-10-77	CSIR Rafi Marg, New Delhi	A process for the preparation of inorganic green pigment
145	146241	7-4-77	Union Carbide Corporation 270 Park Avenue New York 10017, USA	Continuous hydroformylation process
146	146275	7-4-77	Gulf Oil Corporation Pittsburgh, Pennsylvania USA	Process for preparing carbamyl triazolo-insecticides
147	146276	Do.	Do.	Do.
148	146282	6-7-77	CSIR Rafi Marg, New Delhi	Improvements in or relating to the production of desiccant grate silicagel
149	146287	24-10-77	Charles Wayne Leed 5174 Brookside Lane, Concord, California 94521 USA	A method and apparatus for purification of water from power plant steam cycle
150	146305	16-5-77	Union Carbide Corporation 270 Park Avenue, New York, 10017 USA	A foam composition for treating a fabric or paper substrate

RENEWAL FEES PAID

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 135639 135687 135736 135743 135751 136126 136147 136382
 136703 136729 136911 136927 136956 137276 137514 137591
 137660 137685 138065 138141 138632 138705 139668 139945
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 147002 147042 147282 147328 147568 147707 147753 147782
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 149173 149174 149219 149360 149400 149401 149447 149659
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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of

registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1. No. 153253. Kapoor Enterprises, A-66, Okhla Industrial Area, Phase-II, New Delhi-110020, an Indian Partnership firm. "Lights". 11th July, 1983.

Class 3. No. 153249. Hari Om Enterprises, an Indian Regd. Partnership firm having its office at 50 Kakad Industrial Estate, Lady Jamshedji Road, Mahim, Bombay-400016, Maharashtra, India. A "Minifriz-Bee" Toy. 11th July, 1983.

Class 3. No. 152718. Sudhir Digambar Apte, Proprietor, Apte Plasti Glass Industries 475/17, Sadar Bazar, Satara 415 001, Maharashtra State, India. A Subject of the Republic of India. "2 Piece Plastic Cup". 29th January, 1983.

Class 3. No. 152738. Mrs. Rekha M. Thadani and Mrs. Thakuri B. Thadani, both Indian Nationals, carrying on business in partnership under the firm name of Caspack Incorporated, registered under the Indian Partnership Act, 1932, having our registered office at 204, New Satguru Nanik Industrial Estate, 498, Western Express Highway, Goregaon (East), Bombay-400063, State of Maharashtra, India. "Cabinet for storing Cassettes". 31st January, 1983.

EXTENSION OF COPYRIGHT FOR THE SECOND PERIOD OF FIVE YEARS.

Nos. 143592, 143900.—Class-1.

DR. K. V. SWAMINATHAN,
 Controller General of Patents,
 Designs and Trade Marks.

